PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
JA504705		
International application No.	International filing date *(day/month/year)*	(Earliest) Priority Date *(day/month/year)*
PCT/JP03/07333	10.06.03	10.06.02
Applicant	THE UNIVERSITY OF EDINBURGH	

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

   a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

   ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

   b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

   ☐ contained in the international application in written form.

   ☐ filed together with the international application in computer readable form.

   ☐ furnished subsequently to this Authority in written form.

   ☐ furnished subsequently to this Authority in computer readable form.

   ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

   ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (See Box II).

4. With regard to the **title**,

   ☑ the text is approved as submitted by the applicant.

   ☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

   ☑ the text is approved as submitted by the applicant.

   ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. _____

   ☐ as suggested by the applicant.

   ☐ because the applicant failed to suggest a figure.

   ☐ because this figure better characterizes the invention.

   ☑ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/07333

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ C07K7/06,A61K38/08,A61K38/55,A61P1/04,A61P1/14,A61P27/02,A61P43/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ C07K7/06,A61K38/08,A61K38/55,A61P1/04,A61P1/14,A61P27/02,A61P43/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Japanese Utility Model Gazette 1926-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2001, Japanese Registered Utility Model Gazette 1994-2001, Japanese Gazette Containing the Utility Model 1996-2001

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
BIOSIS(DIALOG),WPI(DIALOG),REGISTRY(STN),CA(STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/62291 A1(FUSO PHARM IND LTD) 2001.08.30 &JP 2001-233790 A &AU 200132345 A &EP 1258251 A1	1-7
Y	WO 01/47556 A1(FUSO PHARM IND LTD)2001.07.05 & JP 2001-181208 A &AU 200117342 A &EP 1247532 A1	1-7
Y	Maryanoff BE et al, Protease-activated receptor-2 (PAR-2): structure-function study of receptor activation by diverse peptides related to tethered-ligand epitopes. , Arch Biochem Biophys., 2001,Vol.386,No.2,p.195-204.	1-7
Y	Santagada V et al, Minimal structural requirements for agonist activity of PAR-2 activating peptides. , Bioorg Med Chem Lett. ,2002 Jan ,Vol.12,No.1,p.21-4.	1-7

☑ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search
22.07.03

Date of mailing of the international search report
05.08.03

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Form PCT/ISA/210 (second sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/07333

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	D'Alessio S et al, Inhibition of adamalysin II and MMPs by phosphonate analogues of snake venom peptides., Bioorg Med Chem. ,1999,Vol.7,No.2,p.389-94.	1-7
Y	WO 97/25351 A2(MILLENNIUM PHARM INC)1997.07.17 &AU 9722415 A &EP 871670 A2 &US 6037324 A &JP 2000-503203 A &AU 721615 B &US 6274556 B1 &US 2002/0103111 A1	1-7
P, A	WO 02/56916 A2 (ZIMMER R H) 2002.07.25 &US 2002/0132777 A1	1-7

Claim 1-7 is not supported by the description as required by Article 6 PCT.
The reason therefor is the following:
aryl group in claim 1 contains a lot of structure, but in the description, only a few structures are disclosed.

We searched the subject matter of claim 1-7 which is supported by the description, Z -(CH2)n represents in the example 1-18,AA1-AA2 represents Lys-Val or Arg-Leu,and R represents -OH or -NH2.